

STATEMENT OF WORK

SpaceCube Power Slice Low-Voltage Power Card Parts
7/23/2013

PR: _____

Background

- **NASA's Science Data Processing Branch needs parts for the SpaceCube** that will serve as the flight avionics for the Department of Defense's Space Test Program's Houston-5 mission. These parts are needed to assemble the Goddard SpaceCube Power Slice Low-Voltage Power Card (LVPC). (Reference Goddard Drawing# PL2098687).

Objectives

- The primary objective for this project is to procure International Rectifier Part Number: IRHNA597160SCSD, Rad-Hard P Channel MOSFET quantity 25 and International Rectifier Part Number: IRHNA597Z60SCSD, Rad-Hard P-Channel 30V, 56A MOSFET quantity 25.

Scope

- The scope of this acquisition is to procure International Rectifier Part Number: IRHNA597160SCSD, Rad-Hard P Channel MOSFET quantity 25 and International Rectifier Part Number: IRHNA597Z60SCSD, Rad-Hard P-Channel 30V, 56A MOSFET quantity 25. This statement of work will discuss the requirements for these items.

Requirements:

These parts: IRHNA597160SCSD & IRHNA597Z60SCSD must meet the following requirements:

- Manufacturer's Certificate of Conformance (C of C) required. C of C shall specify, as a minimum, the purchased part number, quantity delivered, lot/date/batch/heat codes (as applicable) traceable to the delivered material, purchase order or contract number, manufacturer's name and address, and signature of manufacturer's authorized Quality Assurance representative
- LOT CONTROL: Items supplied under this Purchase Order shall be one (1) date code and /or lot code. The date/lot code shall be recorded on the packing list, certification, and other applicable documents.
- ESD components on this order are susceptible to damage caused by static electricity and are considered electrostatic discharge sensitive (ESRS). The supplier shall establish and implement an ESD control program in accordance with ANSI/ESD S20.20 for any activity that design, test, inspect, services, dissipative and shall identify the components as ESDS. PINK POLY PACKAGING IS PROHIBITED.

- Cadmium or Zinc or Pure tin shall not be used in any construction and surface finish of EEE parts
- Parts SHALL be purchased from a manufacturer's franchised distributor or direct from the manufacturer. OEM type distributors, parts brokers or any other source not specifically endorsed by the manufacturer are NOT to be used for procurement of these Space Flight Parts.

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Deliverables/Delivery Schedule

- Contractor shall provide International Rectifier Part Number: IRHNA597160SCSD, Rad-Hard P Channel MOSFET quantity 25 and International Rectifier Part Number: IRHNA597Z60SCSD, Rad-Hard P-Channel 30V, 56A MOSFET quantity 25 within twenty-six (26) weeks after date of award.

(End of Statement of Work)